

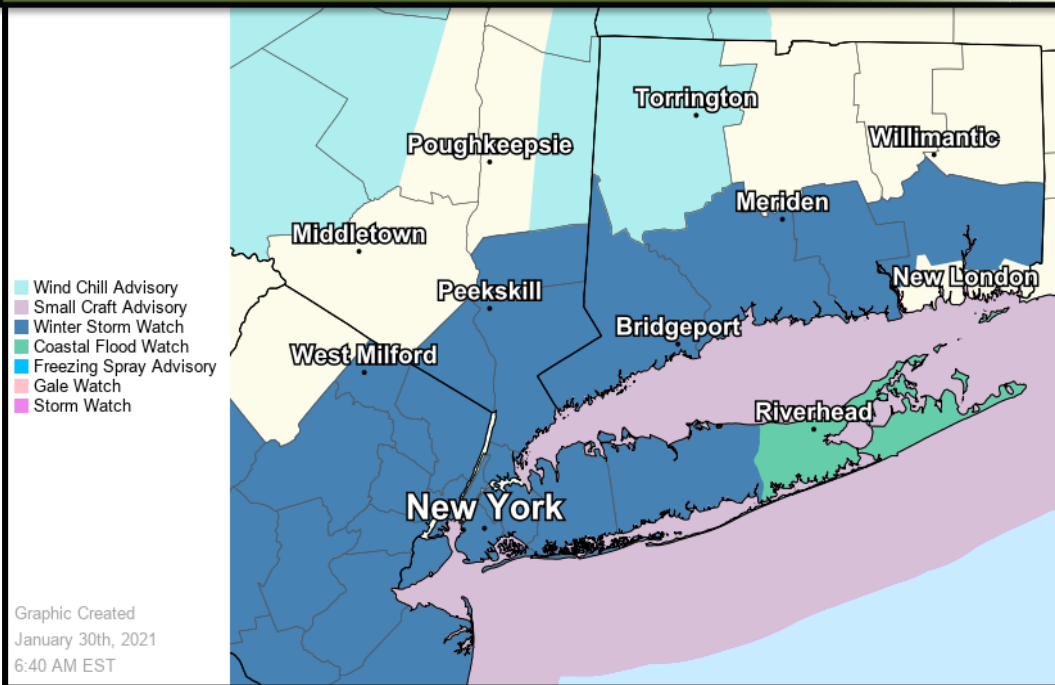
# Major Coastal Storm Sun Night into Tuesday

## Decision Support Briefing #1 As of: 630 AM Jan 30, 2021






### What Has Changed?

- ✓ *Winter Storm Watch in Effect for Much of the Area*
- ✓ *Coastal Flood Watch in Effect for Long Island and Queens*
- ✓ *Gale and Storm Watches in Effect for all Waters*

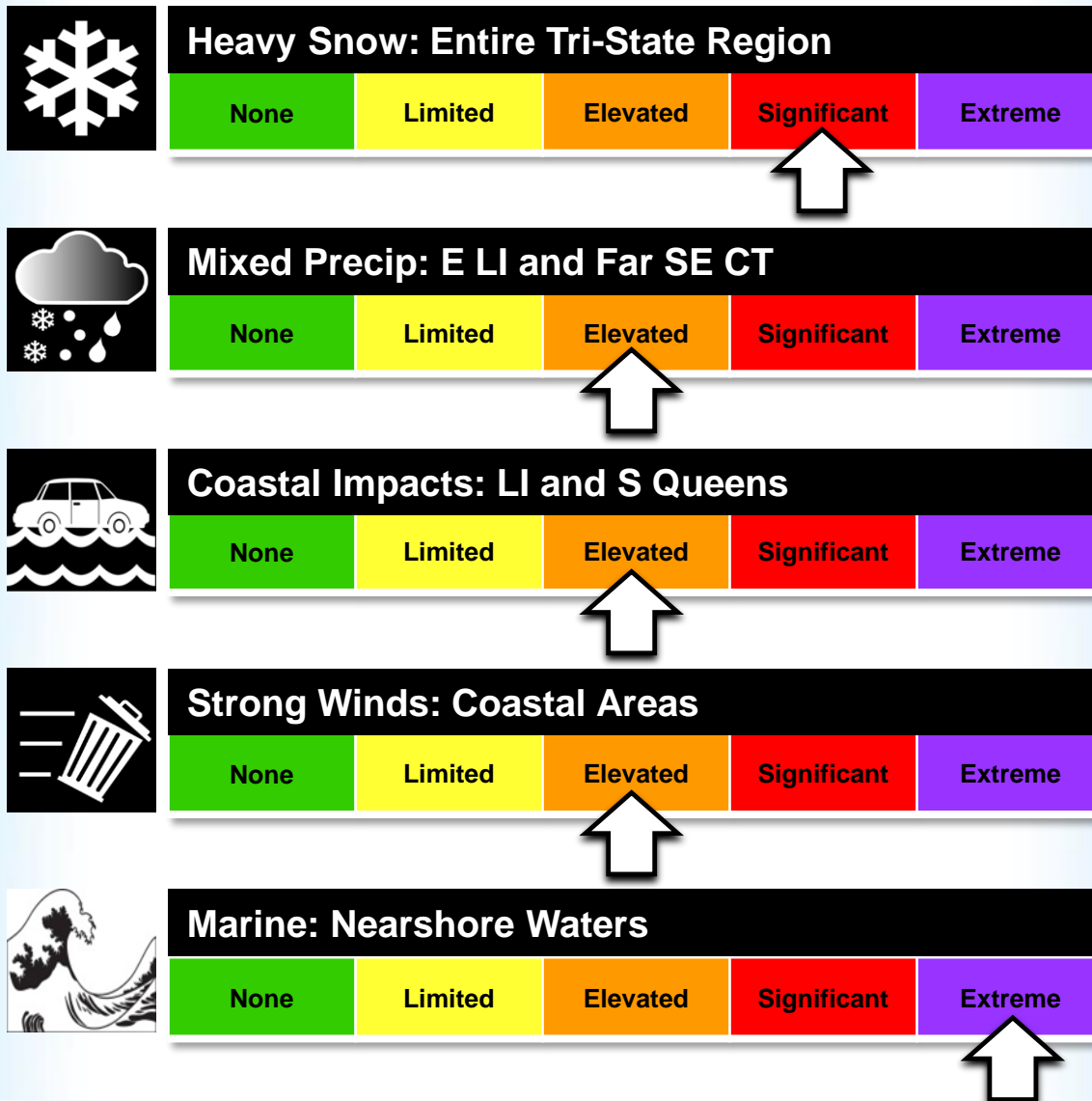
### Current Hazards



## Main Points

Hazard		Impacts	Location	Timing
<b>Heavy Snow</b> 6-10"		<ul style="list-style-type: none"> <li>Snowfall rates of 1-2 inches/hr possible.</li> <li>Near blizzard conditions possible along coast.</li> <li>Difficult travel.</li> </ul>	Much of the Tri-State Region	<ul style="list-style-type: none"> <li>Snow develops Sun Night</li> <li>Heavy snow Mon/Mon Eve</li> <li>Periods of snow Mon Night into Tue.</li> </ul>
<b>Snow</b> 3-6"		<ul style="list-style-type: none"> <li>Snow, possibly mixing with rain.</li> <li>Difficult Travel.</li> </ul>	E LI and SE CT	<ul style="list-style-type: none"> <li>Snow develops Sunday Night.</li> <li>Possibly mixing with rain Monday into Monday Night.</li> </ul>
<b>Coastal Impacts</b> 2 to 2 ½ ft inundation		<ul style="list-style-type: none"> <li>Moderate coastal flood impacts.</li> <li>Areas of dune erosion and localized overwashes.</li> </ul>	Coastal Impacts – LI and Queens Dune impacts- Oceanfront	Times of high tide Monday Into Monday Night
<b>Strong Winds</b> 20-30G45mph		<ul style="list-style-type: none"> <li>Scattered downed tree limbs and power lines.</li> <li>Near blizzard conditions possible.</li> </ul>	Coastal Areas, including NYC/NJ metro	Monday into Monday Night
<b>Marine</b>		<ul style="list-style-type: none"> <li>Storm Conditions possible on the ocean and gale elsewhere.</li> <li>Seas of 12-17 ft on the Ocean and 3- 6 ft on LI Sound.</li> </ul>	Nearshore Waters	Sunday Night through Monday Night

## Summary of Greatest Impacts



# Heavy Snow

**Winter Storm Watch in Effect Sunday Night thru Monday Night for much of the region**

## Hazards:

- ✓ **Much of the Region** – Moderate potential for 6-10" of snow.
  - ✓ Snowfall rates: 1-2"/hr possible Mon/Mon Eve
  - ✓ Visibility: ¼ mile or less at times
  - ✓ Temperatures: Upper 20s to Lower 30s for city/coast. Mid 20s Interior.
- ✓ **Well N&W of NYC** – Low confidence on 6" of snowfall. Uncertainty on NW edge of heavy snow banding.
- ✓ **E LI and Far SE CT** - Low confidence on 6" of snowfall. Potential for mixing with rain.

## Impacts:

- ✓ Difficult travel late Sunday Night through Monday Night, possibly Tue AM.
- ✓ Scattered downed tree limbs and power outages possible.
- ✓ Blizzard conditions possible at times Monday into Monday Night for coast

## Timing:

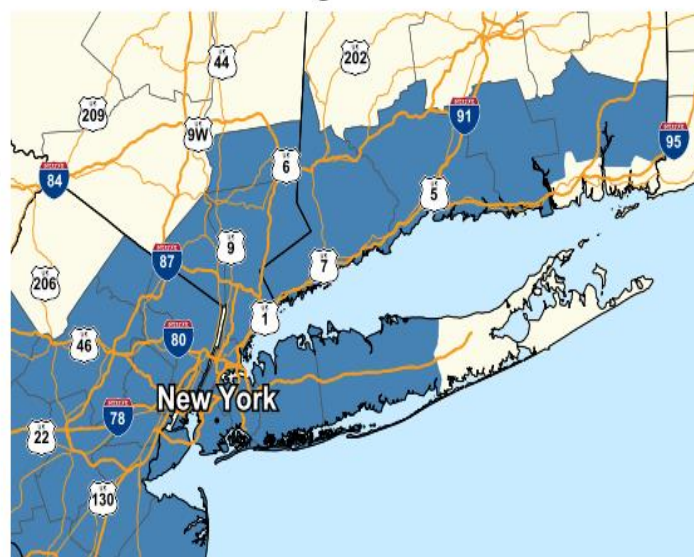
- ✓ Snow develops Sun Night
- ✓ Heavy snow possible Monday into Mon Eve
- ✓ Periods of snow Monday Night into Tue, ending Tue PM.

## Forecast Challenges:

- ✓ How far NW and how long sleet mixes in along coast. Highest probability across E LI and Far SE CT.
- ✓ Duration/location of heavy snow banding Mon into Mon Eve



## Winter Watches Warnings and Advisories



Graphic Created  
January 30th, 2021  
5:40 AM CST

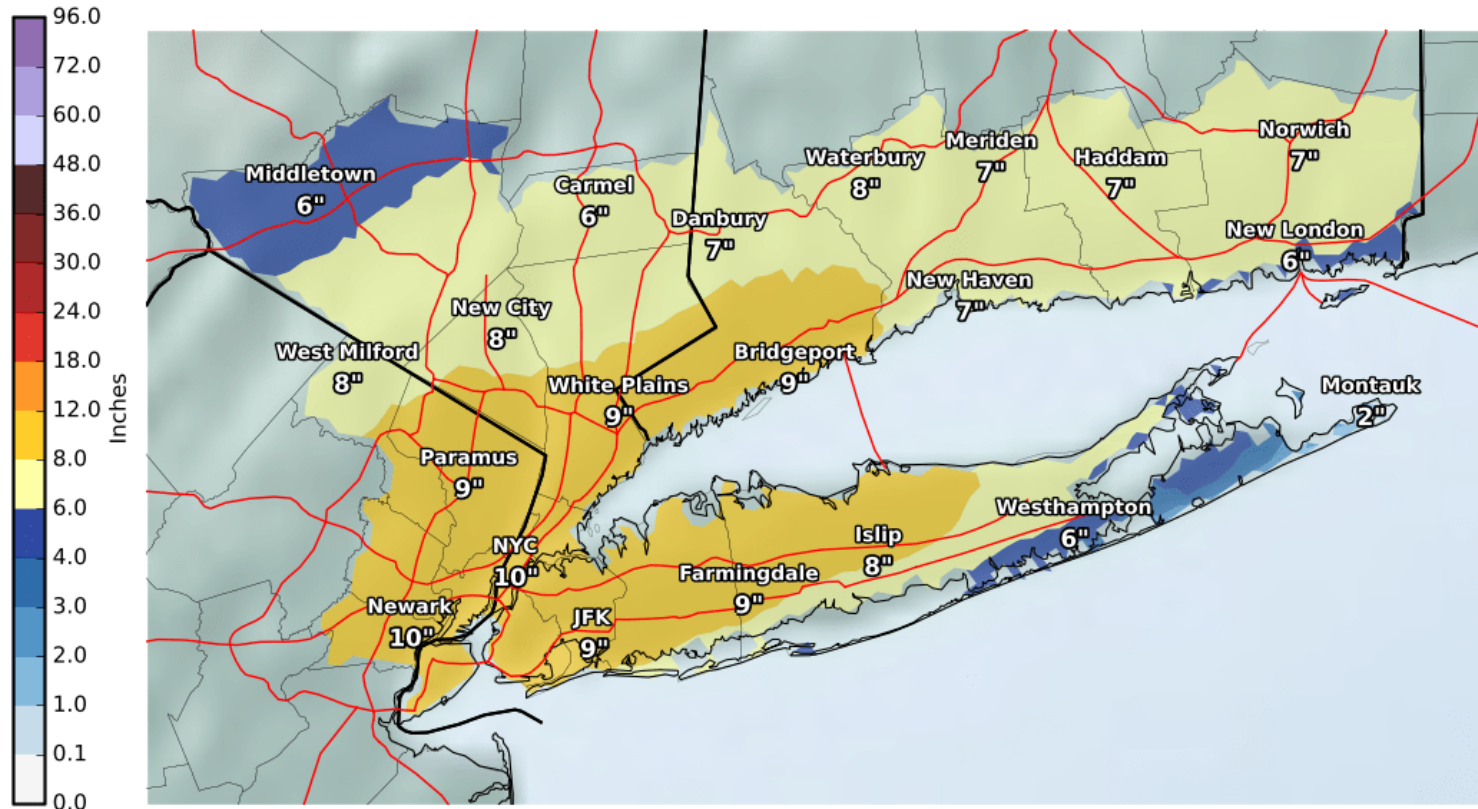




## Most Likely Snowfall – Official Forecast

### Expected Snowfall - Official NWS Forecast

Valid: 01/31/2021 07:00 PM - 02/02/2021 07:00 AM



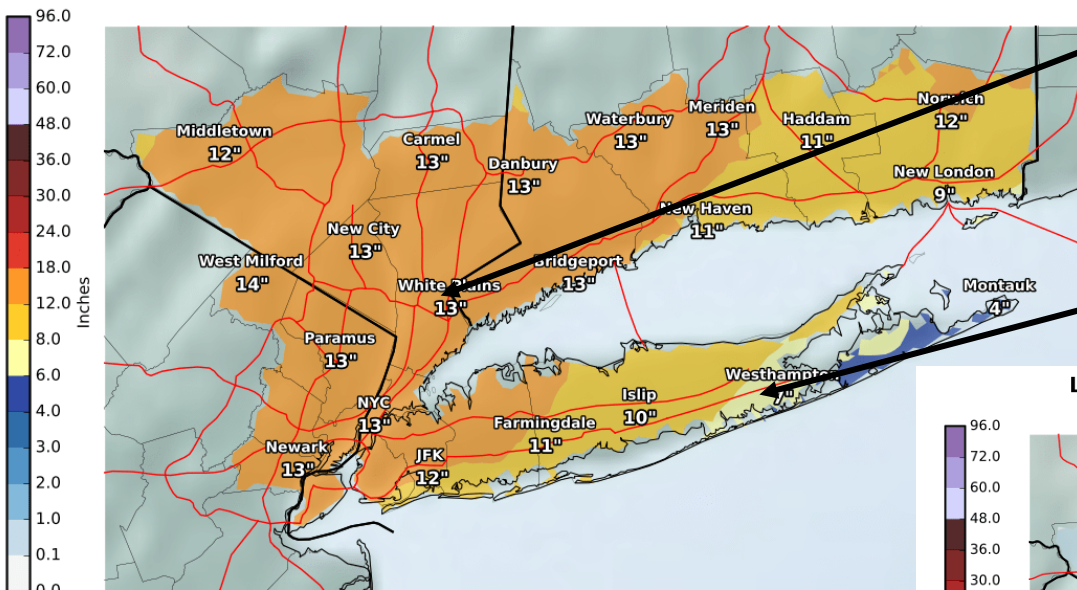
**National Weather Service**  
**New York NY**  
 01/30/2021 03:34 AM EST

**Follow Us:**   
[weather.gov/nyc/winter](https://weather.gov/nyc/winter)

## Probabilistic Snowfall Forecast

### High End Amount - 1 in 10 Chance (10%) Of Higher Snowfall

Valid: 01/31/2021 07:00 PM - 02/02/2021 07:00 AM

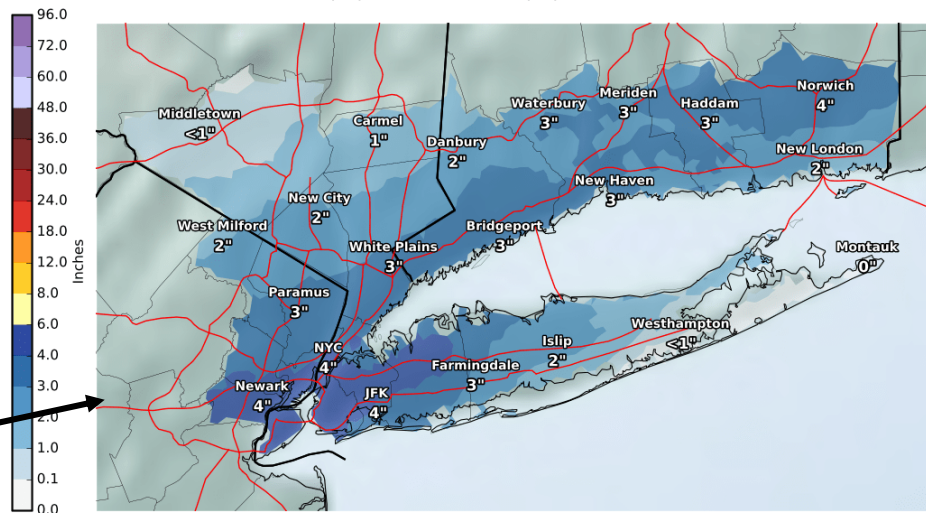


Snow amounts could be this high in spots where heavy snow banding is most persistent.

Or...If there is no/less mixing with sleet across E LI and Far SE CT

### Low End Amount - 9 in 10 Chance (90%) Of Higher Snowfall

Valid: 01/31/2021 07:00 PM - 02/02/2021 07:00 AM

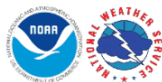


Expect at least this much snow



National Weather Service  
New York NY  
01/30/2021 03:34 AM EST

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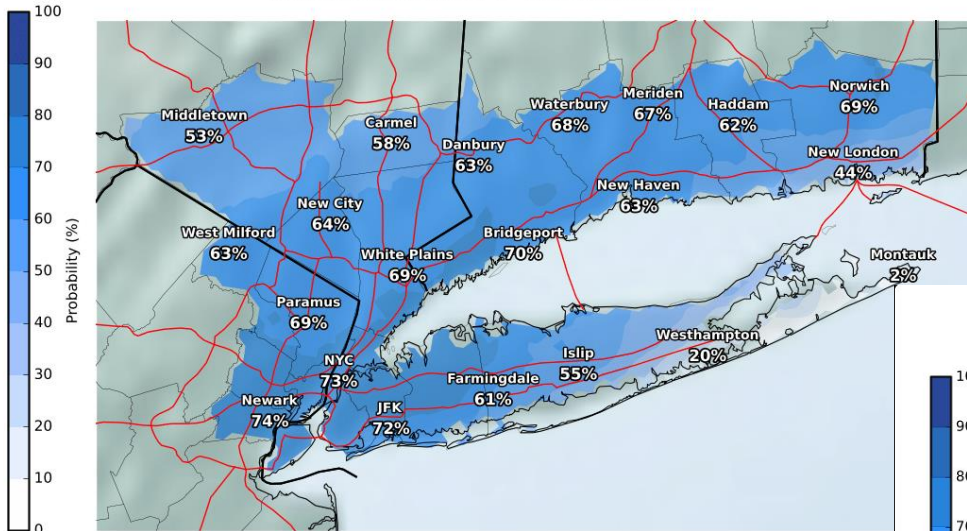
National Weather Service  
New York NY  
01/30/2021 03:34 AM EST

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## Probabilistic Snowfall Forecast

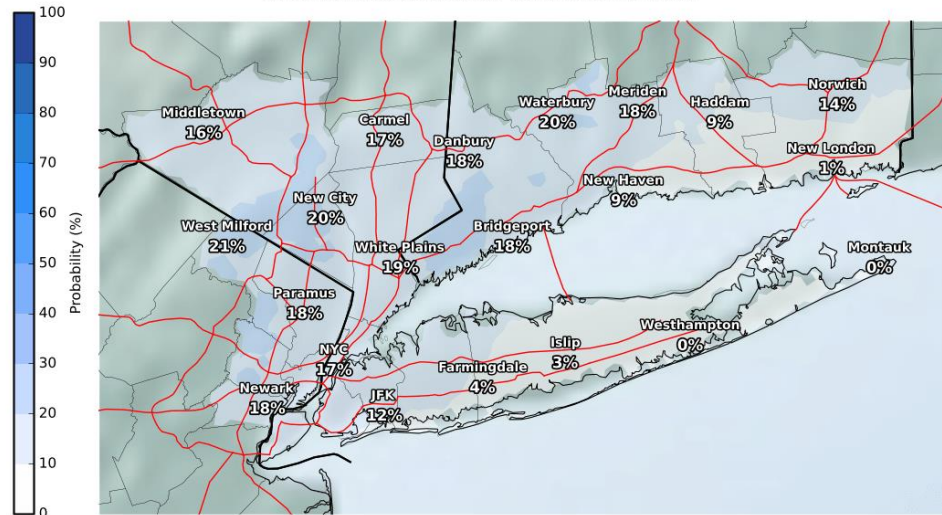
**Percent Chance of 6" Snow or More**  
Valid: 01/31/2021 07:00 PM - 02/02/2021 07:00 AM



**National Weather Service**  
New York NY  
01/30/2021 03:35 AM EST

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**Percent Chance of 12" Snow or More**  
Valid: 01/31/2021 07:00 PM - 02/02/2021 07:00 AM



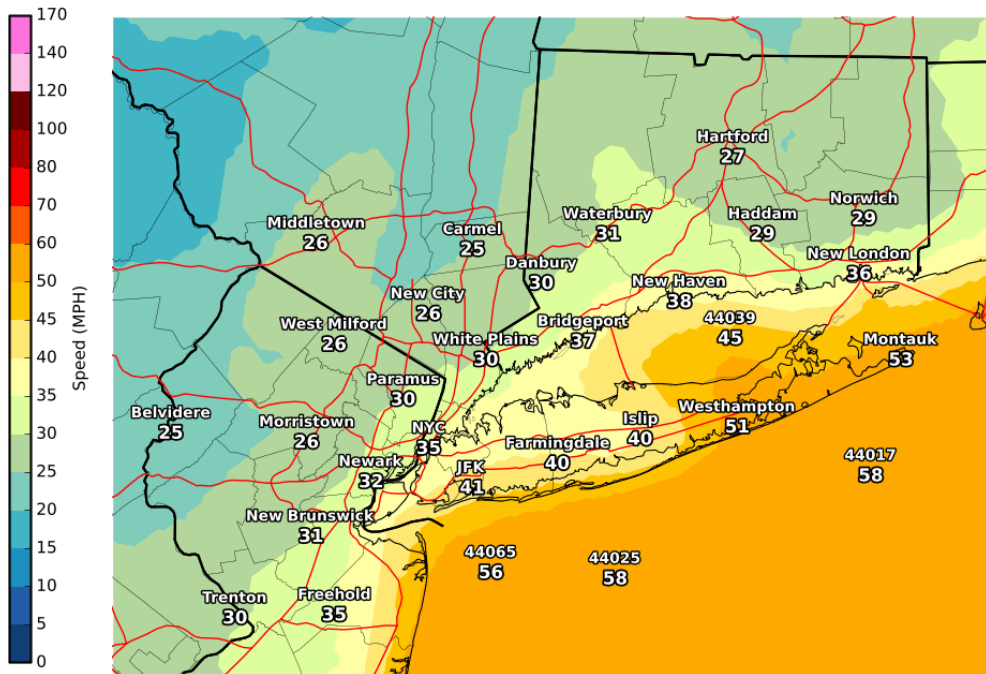
**National Weather Service**  
New York NY  
01/30/2021 03:35 AM EST

**Follow Us:** [weather.gov/nyc/winter](https://www.weather.gov/nyc/winter)

# Strong Winds

## Maximum Wind Gust (MPH)

Valid: 01/30/2021 05:00 AM - 02/04/2021 05:00 AM EST



National Weather Service  
New York NY  
01/30/2021 05:34 AM EST

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## Hazards:

- ✓ **Eastern Long Island**
  - ✓ NE winds 25-35mph with gusts to 45 to 55mph
- ✓ **NYC & Coast**
  - ✓ NE winds 20 to 30 mph with gusts 40 to 45 mph
- ✓ **Interior**
  - ✓ NE 15-20 g 25-30mph

## Impacts:

- ✓ Scattered downed tree limbs and power lines
- ✓ Near blizzard conditions along the coast

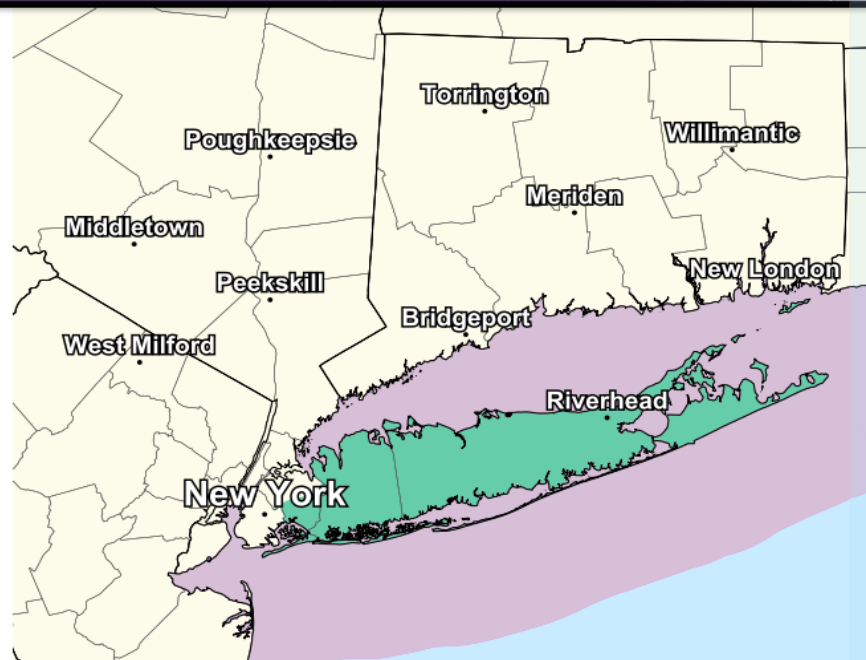
## Timing:

- ✓ Monday into Monday Night



# Coastal Flooding – Coastal Flood Watch in Effect for Mon and Mon Night High tides

## Marine / Coastal Hazards



## Coastal Flood Hazards and Impacts:

- ✓ Minor to locally moderate coastal impacts Mon (1-2 ft inundation)
  - ✓ Greatest threat of moderate along south shore of Nassau County
- ✓ Minor to moderate coastal impacts possible Mon Night. (2-2 1/2 ft inundation)
  - ✓ Greatest threat of moderate along southern and eastern bays of Queens and LI, and locally on north shore of LI.
  - ✓ Several waterfront road closures and potential property damage

## Shoreline Hazards and Impacts:

- ✓ 5-10' breaking waves along the oceanfront, 3 to 6' along LI sound shoreline and Twin forks.
- ✓ Widespread ocean beach erosion and flooding. Areas of dune erosion and isolated washovers along oceanfront Mon into Tue high tides.

## Timing:

- ✓ During times of high tide Monday into Mon Night.
- ✓ Additional minor to locally moderate flooding possible during Tuesday high tides.

Please go to the NWS New York, NY Coastal Flooding Page for the latest coastal flood forecast and the tools to visualize the coastal impacts.

<https://www.weather.gov/okx/coastalflood>

# Event Summary

- ✓ **Winter Storm Watch in effect for much of the area for Sun Night into Mon Night**
  - ✓ Heavy Snow (6-10") potential for Much of the Region
    - ✓ 1-2"/hr snowfall rates Monday/Monday Eve
    - ✓ Near blizzard conditions possible for coast
  - ✓ Lesser amounts for far SE and far NW portions of the Tri-State
- ✓ **Strong Winds for the City/Coast**
  - ✓ 20-35 g 40-50mph Monday into Monday Night
- ✓ **Coastal Flood Watch in effect for LI and S Queens for Mon into Mon Night high tides**
  - ✓ Minor to locally moderate coastal flood potential with Mon AM/early PM high tides
  - ✓ Minor to moderate coastal flood potential with Mon Night high tide
- ✓ **Gale and Storm conditions possible on the waters Sunday Night into Monday Night**

# Contact and Next Briefing Information



## Next Briefing

**When:** *Around 6 PM Today (Sat)*

**Method:** *Email*



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**Disclaimer:** *The information contained within this briefing is time-sensitive, do not use after 5 PM Saturday (01/30/21).*

